HW#105: SA of Prisms and Cylinders

Geometry

Due: Thursday, March 31st

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Failure to show all work will result in a LaSalle! Round all answers to 2 decimal places.

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| 1) Use the diagram at the below.     1. Give the mathematical name of the solid: 2. What kind of figure is each base?      1. Name the radius of the solid:      1. Name the height of the solid: | 2) Name the solid that can be formed by the net.  a. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3) Find the surface area of the solid formed by the net. Round your answer to two decimal places. | 4) Find the surface area of the solid formed by the net. Round your answer to two decimal places. |
| 5) Find the surface area of the rectangular prism. Round your answer to two decimal places. | 7) Find the surface area of the right cylinder. Round your answer to two decimal places. |

REVIEW Choose 4 of the 6 problems below to complete as review problems. Show all work.

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| R1) Find the arc length and sector area for the angle shown below.  ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.04.18%20AM | R2) Find the arc length and sector area for the angle shown below. ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.04.15%20AM | |
| R3) Find the area of the trapezoid using at least 2 methods. Show all work.  ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.06.20%20AM | | |
| R4) Find the mixing side of the triangle labeled x.  a.  ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.07.29%20AM | b.  ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.07.25%20AM | |
| R5) A circle is inscribed in a square. The side length of the square is 50 in. Find the area of the square and the area of the circle. |  | R6) Find the area and circumference of the circle shown below.  ../../../../../Desktop/Screen%20Shot%202016-03-27%20at%2011.11.21%20AM |